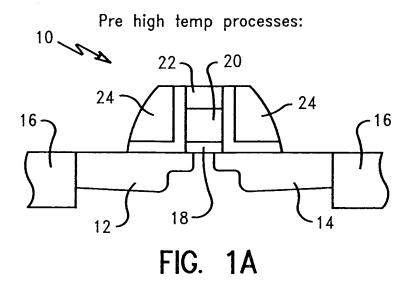
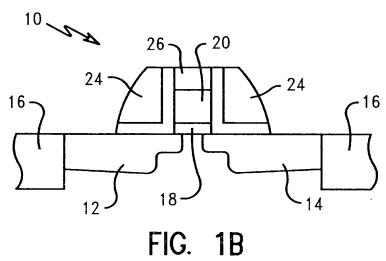
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Post high temp processes:



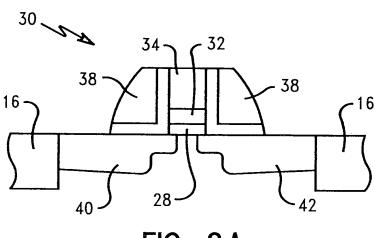


FIG. 2A

Pre high temp processes:

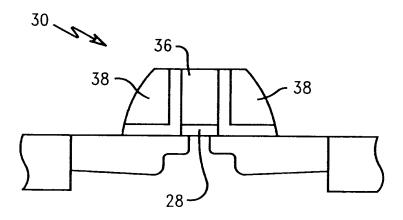
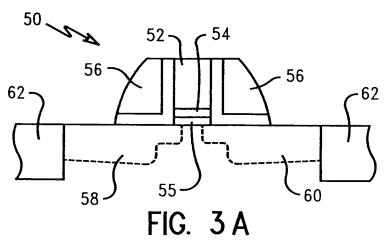
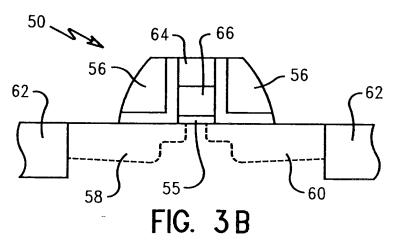


FIG. 2B
Post high temp processes:



Pre high temp processes:



Post high temp processes:

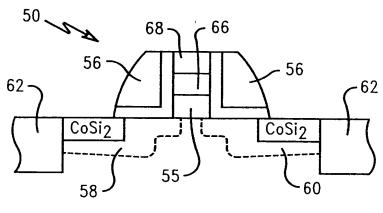
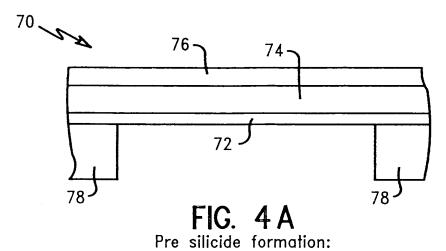
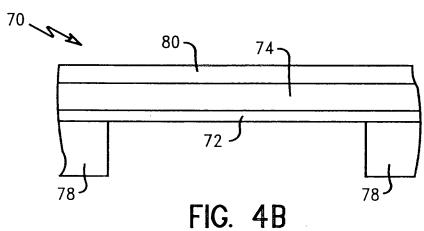


FIG. 3C

Post source/drain/gate silicide (assumed CoSi₂)





Post silicide formation:

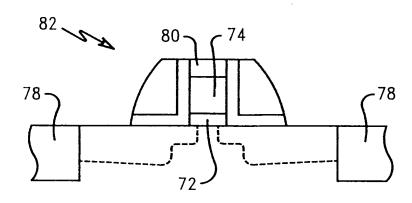
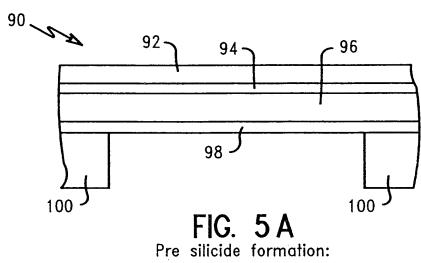
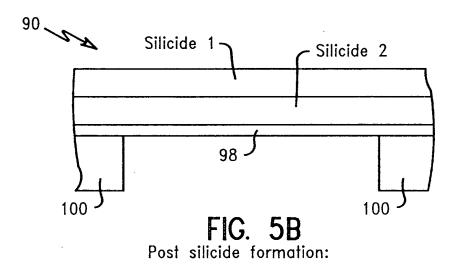


FIG. 4C
Post high temp processes:





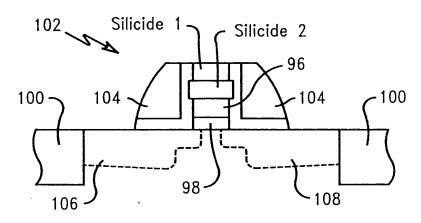
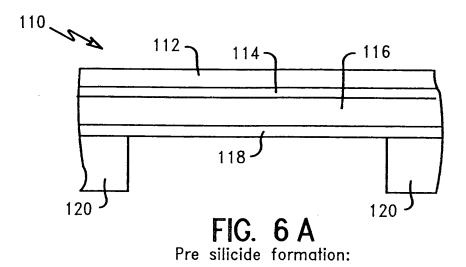
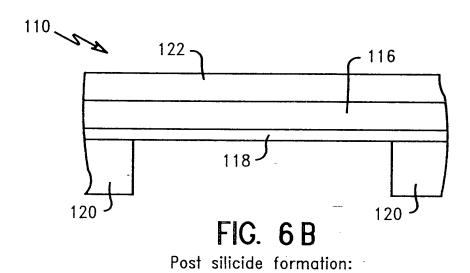


FIG. 5C Post high temp processes:





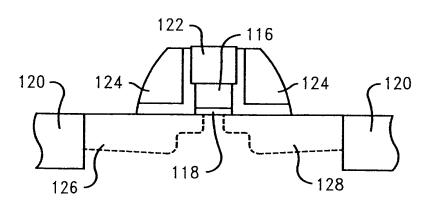


FIG. 6 C
Post high temp processes:

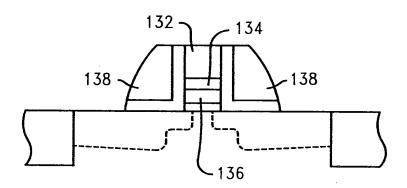
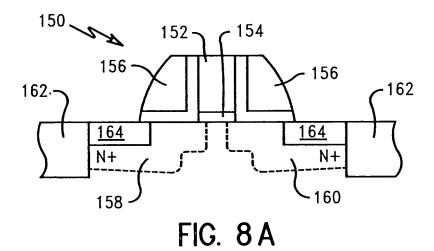


FIG. 7

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166 174 168 170 170 172 164 164 164 162

FIG. 8B

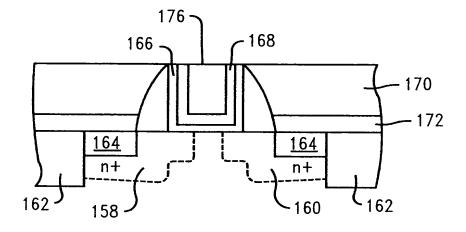


FIG. 8C

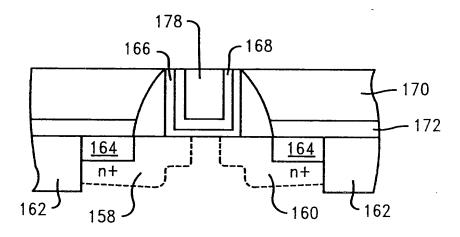
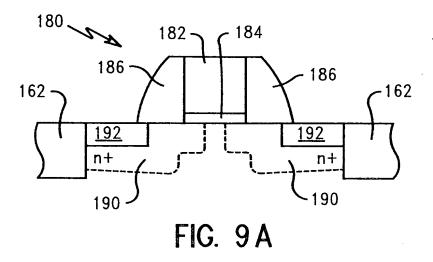


FIG. 8D

REPLACEMENT SHEET FIS920020157US1



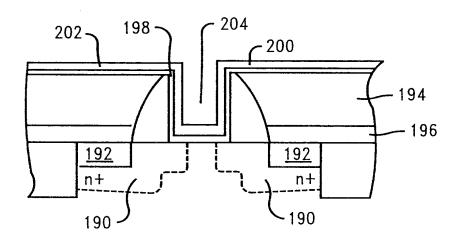


FIG. 9B

REPLACEMENT SHEET FIS920020157US1

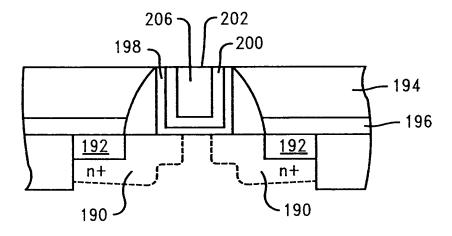


FIG. 9C

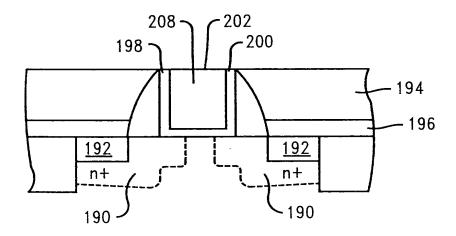
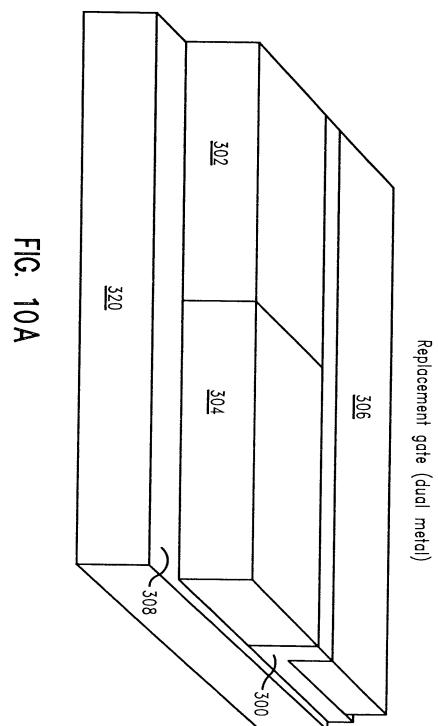
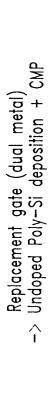


FIG. 9D





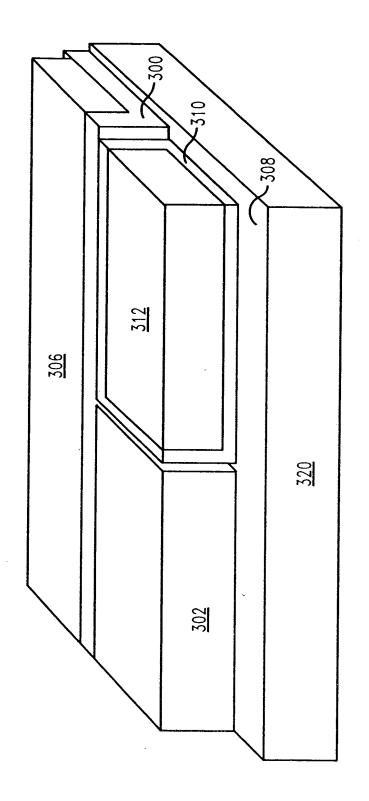


FIG. 10B

-300 . 308 Replacement gate (dual metal) -> Undoped Poly deposition + CMP -310 312 306 320 316/ 314 318

FIG. 10C

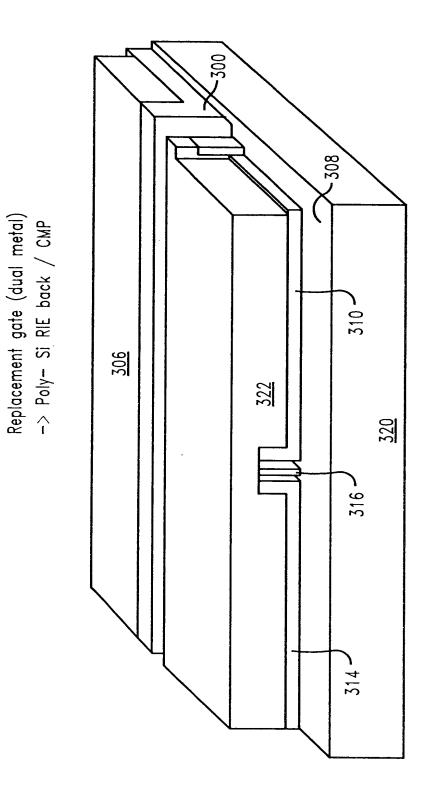


FIG. 10D

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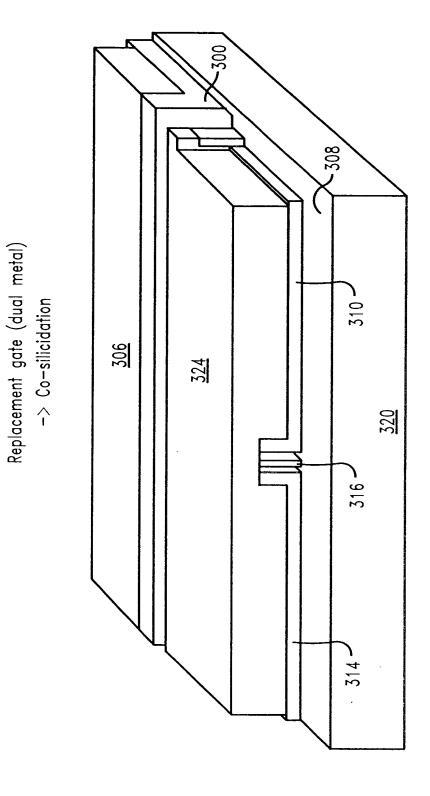


FIG. 10 E